

- Liquid filtration process using tangential flow along a membrane - with the **membrane** being **cleaned** by the reverse flow of a fraction of the filtrate.

L20 ANSWER 95 OF 121 WPINDEX COPYRIGHT 2002 DERWENT INFORMATION LTD
AN 1995-062801 [09] WPINDEX
DNC C1995-027765
DC J01
IN ASTRUC, C; GAROUX, J; LAURENT, M
PA (ELEC) ELECTRICITE DE FRANCE; (GAMM-N) GAMMA-FILTRATION
CYC 1
PI FR 2707520 A1 19950120 (199509)* 17p
ADT FR 2707520 A1 FR 1993-8683 19930715
PRAI FR 1993-8683 19930715
AN 1995-062801 [09] WPINDEX
AB FR 2707520 A UPAB: 19950306

Liquid filtration process by tangential flow along a porous and permeable **membrane**, which is **cleaned** periodically by reverse flow of a fraction of the liquid or 'filtrate' across the membrane after it has been passed through it, under a mechanical pressure difference between the tangential flow upstream and the filtrate so the accumulated molecules and particles on the membrane are eliminated.

The process passes through the stages of reverse flow of the filtrate by an amount greater than a predetermined value, steady diminution of the reverse flow, stabilisation of the flow, and slow return to the reference flow in the normal filtration direction, opposite to that of the reverse flow.

Device to achieve the above process, with the flow governed by two stop valves (10,14) in parallel in the filtration circuit, is also claimed.

Device to achieve the above process where the cleaning is assured by a movable piston and cylinder with variable capacity, pressurised by compressed air, with the reverse flow being driven by the opening of a stop valve, is also claimed.

USE - Filtration of liquids (claimed).

ADVANTAGE - Improvement of the process used in such devices.

Dwg.1/1